

FACULTY PROFESSIONAL BIOGRAPHY  
College of Dentistry  
University of Iowa

Date 1/23/06

I. Personal Data

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| 1. Name <u>Richard George Burton</u> | 2. Social Security # <u>[-----]</u>                          |
| 3. Birth Date <u>[-----]</u>         | 4. Department <u>Oral and Maxillofacial Surgery</u>          |
| 5. Present Rank <u>Professor</u>     | 6. Date appointed to present rank <u>1/1/2001</u><br>Mo./Yr. |

II. Higher Education, formal programs (most recent first)

<u>Date Awarded</u> <u>(Mo./Yr.)</u>	<u>Degree</u>	<u>Major</u>	<u>Institution</u>	<u>Dates Attended</u>
[---]	MS	Oral and Maxillofacial Surgery	University of Iowa	[-----]
[---]	Certificate	Oral and Maxillofacial Surgery	University of Iowa Hospital and Clinics	[-----]
[---]	DDS	Dentistry	Ohio State University	[-----]
[---]	JBA	Chemistry	Hanover College	[-----]

III. Professional Employment: Appointments (most recent first)

<u>Mo./Yr.</u>	<u>Rank/Title</u>	<u>Institution</u>
2003-present	Vice Chair	Hospital Dentistry Department Hospital Dentistry Institute University of Iowa Hospitals & Clinics
2001-present	Professor	Oral and Maxillofacial Surgery University of Iowa Hospitals & Clinics University of Iowa College of Dentistry
1999-2005	Graduate Program Director	Oral and Maxillofacial Surgery

		University of Iowa Hospitals & Clinics
1997-2000	Assistant Professor	University of Iowa College of Dentistry
1997-present	Staff Surgeon	University of Iowa Hospitals and Clinics and Veterans Administration Medical Center, Iowa City, IA
1977-1997	Captain, Dental Corps	United States Navy
1993-1997	Head, Dental Department Chairman and Program Director	Oral and Maxillofacial Surgery National Naval Medical Center, Bethesda, MD
1993-1997	Specialty Leader for the Surgeon General for Oral and Maxillofacial Surgery	Navy Medical Department and Department of Defense Washington, DC
1996-1997	Acting Combined Program Director	Oral and Maxillofacial Surgery, National Naval Medical Center and Walter Reed Army Medical Center National Capital Consortium for Graduate Medical Education, Bethesda, MD
1990-1993	Department Head Program Director	Dental Department Oral and Maxillofacial Surgery Naval Hospital, Great Lakes, IL
1991-1993	Director, Surgical Services	Naval Hospital, Great Lakes, IL

## Other Academic Appointments:

Visiting Lecturer	Naval Dental School, Bethesda, MD
Visiting Faculty	Uniformed Services University of the Health Sciences Bethesda, MD
Adjunct Faculty and Lecturer	Walter Reed Army Medical Center, Washington, DC
Visiting Faculty and Lecturer	Great Lakes Naval Hospital, Great Lakes, IL
Visiting Lecturer	Naval Medical Center, Portsmouth, VA
Visiting Lecturer	Naval Medical Center, San Diego, CA
Adjunct Faculty and ATLS Instructor	Joint Medical Readiness and Training Command San Antonio, TX

IV. Certification and Licensure (Eligibility, stage of completion)

<u>Board</u>	<u>Date</u>
Dental Licensure: Illinois	[-----]
Commonwealth of Virginia	[-----]
Iowa	[-----]
American Board of Oral and Maxillofacial Surgery	[-----]
National Board of Dental Examiners	[-----]
Northeast Regional Board of Dental Examiners	[-----]

V. Honors and Awards (most recent first)

Donald B. Osbon Award, University of Iowa, 2003  
 Max Smith Research Award, University of Iowa, 1985  
 Omicron Kappa Upsilon, Ohio State University, [----]  
 Carl O. Boucher Outstanding Senior Student Award, Ohio State University, [----]  
 DDS cum laude, Ohio State University, [---]  
 Student Clinicians American Dental Association, Ohio State University, [---]

VI. Professional Appointments (consultantships, editorships, review panels, etc.; most recent first)

<u>Year</u>	<u>Title</u>
2001-present	Editor-In-Chief Editor, Oral and Maxillofacial Knowledge Update for the American Association of Oral and Maxillofacial Surgeon
2004-present	Reviewer, Annals of Otology, Rhinology, and Laryngology
1999-present	Reviewer, Journal of Oral and Maxillofacial Surgery
1999-present	Reviewer, Cleft Palate-Craniofacial Journal
1998-present	Reviewer, Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology, and Endodontics
1998-2001	Section Editor, Oral and Maxillofacial Surgery Knowledge Update
1998-present	Reviewer, Journal of Prosthodontics

VII. Committees (include chair and officer positions; most recent first)

<u>Year</u>	<u>Committee</u>	<u>Organization</u>
<u>National:</u>		
2004-2010	Examination Committee—Board Examiner	American Board of Oral and Maxillofacial Surgery
2003-2006	Chairman, Committee on Continuing Education and Professional Development	American Association of Oral and Maxillofacial Surgeons
2000-2002	Task Force on Meetings	American Association of Oral and Maxillofacial Surgeons
2000-2005	Accreditation Site Visitor (RRC) Commission on Dental Accreditation, Chicago, IL	American Dental Association
1999-2005	Committee on Continuing Education Special Subcommittee on Special Meetings	American Association of Oral and Maxillofacial Surgeons
1998-2003	OMSITE Committee	American Association of Oral and Maxillofacial Surgeons
1995-present	Reviewer, Small Business Grant Program	National Institutes of Health
1994-present	Member, FDA Dental Products Panel and Special Government Employee for Dental Product Review, Rockville, MD	FDA
<u>University:</u>		
1997-present	Health Information Management	UIHC
1997-present	Craniofacial Anomalies Committee	UIHC
1997-2005	Graduate Medical Education Committee	UIHC
<u>Collegiate:</u>		
2000-present	Credential Committee	College of Dentistry
1998-present	Dental Informatics Committee	College of Dentistry
1997-2005	Graduate Program Directors Committee	College of Dentistry

## VIII. Professional Memberships (include offices held; most recent first)

<u>Year</u>	<u>Organization</u>
1985	American Association of Oral and Maxillofacial Surgeons
1987	American Board of Oral and Maxillofacial Surgeons
1997	International Association of Oral and Maxillofacial Surgeons
1998	International College of Dentists
1984	International Association of Dental Research
1995	American Cleft Palate-Craniofacial Association
1997	Academy of Osseointegration
1997	American Academy of Cosmetic Surgery
1994	American Academy of Orofacial Pain
1984	American Dental Society of Anesthesiology
1977	American Dental Association
1997	Iowa Dental Association
1997	University Distract Dental Society
1997	Johnson County Dental Society
1997	American Association of Dental Schools
[----]	Student Clinicians American Dental Association
1997	Iowa Society of Oral and Maxillofacial Surgeons
1998	Midwest Society of Oral and Maxillofacial Surgeons

IX. Areas of Research

Dental implants, bone grafting, orthognathic surgery, facial pain, traumatic facial defects, and distraction osteogenesis.

X. Current Projects

An open, prospective, multi-center study to evaluate treatment of the edentulous upper jaws with an implant-supported prosthesis.

Distraction osteogenesis for airway improvement in children.

Distraction osteogenesis occlusal and vectoral influences on dentoskeletal relationships.

Alloplastic facial implants--design and function.

Early treatment of the cleft lip and palate patient utilizing distraction osteogenesis.

XI. Financial Resources (Grants and Contracts; include funded, pending, and approved but not funded applications; list most recent first in each category)

<u>Title</u>	<u>Role on Project</u> (eg: PI, Co-PI, consultant)	<u>Dates</u>	<u>Amount</u>
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Federal:

College of Dentistry:

## Other:

[-----] PI 1999-2003 \$[-----]  
 “Effects of Bio-Oss on third molar  
 extraction sites”

[-----]CO-PICO-PI Co-PI 1999-2002 \$[-----]  
 (Study Code: [-----])  
 Study Title: “An open, prospective,  
 multicenter study to evaluate treatment  
 of edentulous upper jaws with an implant-  
 supported prosthesis retained by[-----  
 -----, -----] in patients  
 with poor bone quality”

XII. Bibliography (attach sections in the following order, with authors in sequence; most recent first; list work that is published or “in press”. Submitted work may also be listed; include journal title and date of submission; manuscripts in progress should not be included)

1. Books and/or Chapters

[-----] in press.

Burton, R. Orthognathic Surgery for the Patient with Cleft, Oral and Maxillofacial Surgery Update, Volume 1, Part I, AAOMS, 1994.

2. Journal Articles (include initial and final page numbers)

Burton, R.G. Repair of Traumatic Inferior Orbital Wall Defects with Nasoseptal Cartilage J Oral Maxillofac Surg 59:1400-1401, 2001.

Carlson, C.R., Bertrand, P.M., Ehrlich, A.D., Maxwell, A.W. and Burton, R.G. Physical Self-Regulation Training for the Management of Temporomandibular Disorders. J Oral Facial Pain 1:15-21, 2001.

Kuklok, K., Burton, R., Wilhelm, M. Numb Chin Syndrome (NCS) Leading to a Diagnosis of Acute Lymphoblastic Leukemia: Report of a Case. J Oral Maxillofac Surg 55:1483-1485, 1997.

Webber, C., Wind, K., Burton, R. Pseudoaneurysm of the Superficial Temporal Artery: Report of A Case. J Oral Maxillofac Surg 55:166-169, 1997.

Pastuovic, M., Cohen, M., Burton, R. Propofol: An Alternative General Anesthetic for Outpatient Oral Surgery. J Oral Maxillofac Surg 54:943-948, 1996.

3. Book Reviews

## 4. Abstracts and Posters

- Pietz, W.M., Burton, R.G. Correlating Bone Quality, Surgeon's Assessment and Long Term Implant Stability. Presented as abstract for AAOMS 85<sup>th</sup> Annual Meeting, Orlando, FL, September, 2003.
- Pietz, W.M., Burton, R.G. Efficacy of Mandibular Distraction Osteogenesis in Tracheostomy Dependent Children. Presented as abstract for AAOMS Meeting, Orlando, FL, September, 2001.
- Burton, R.G., Pietz, W.M. Distraction Vectors and Their Effect on Occlusion in Maxillary Hypoplasia. Presented as abstract for AAOMS Meeting, Orlando, FL, September, 2001.
- Pietz, W.M., Burton, R.G., Fridrich, K.L. and Stanford, C.M. Bone Quality and Surgeon's Assessment During Maxillary Implant Placement. Presented as abstract for AADR meeting, Chicago, IL, March, 2001.
- Burton, R. Moderator, Abstract Session 6: TMJ at the American Association of Oral and Maxillofacial Surgeons, October, 1999.
- Burton, R. Moderator, Abstract Session 12: Temporomandibular Disorders at the American Association of Oral and Maxillofacial Surgeons, September 1996.
- Burton, R., and Olson, R. Etomidate: An Alternative General Anesthetic for Outpatient Oral Surgery. J Dent Res 64, March 1985. Abstract Presented at IADR Meeting, March, 1985.
- Webber, C., Thompson, T., Nicoll, B., and Burton, R. A Capnography and Pulse Oximetry Comparison of Two Different Oxygen Delivery Methods. Poster at the American Association of Oral and Maxillofacial Surgeons, September, 1997.
- Fidler, J. and Burton, R. The Effects of Intramuscular Ketorolac Tromethamine on Pain and Edema Following Third Molar Surgery, Poster at the American Association of Oral and Maxillofacial Surgeons, September, 1993.
- Pastuovic, M. and Burton, R. Propofol: An Alternative General Anesthetic for Outpatient Oral Surgery, Poster at the American Association of Oral and Maxillofacial Surgeons, September, 1993.
- Burton, R. and Olson, R. Quantitative and Qualitative Evaluation of Recovery from General Anesthesia, Poster at the American Association of Oral and Maxillofacial Surgeons, September 1985.

## 5. Invited External Presentations and Lectures

- Moderator and Hands-On Course Director, Dental Implant Meeting, American Association of Oral and Maxillofacial Surgery, Chicago, Illinois, December 2003.

- Moderator and Hands-On Course Director, Dental Implant Meeting, American Association of Oral and Maxillofacial Surgery, Chicago, Illinois, December 2002.
- Symposium Moderator, Annual Meeting, British Association of Oral and Maxillofacial Surgeons, Killarney, Ireland, June 26-29, 2002.
- Main Speaker, Symposium Moderator and Live Surgery Demonstration-Alveolar Distraction, IX Jornadas De Cirugia Oral, Spanish Society of Oral and Maxillofacial Surgery, Barcelona and Sitges, Spain, May 14-17, 2002.
- Moderator and Hands-On Course Director, Dental Implant Meeting, American Association of Oral and Maxillofacial Surgery, Chicago, Illinois, December 2001.
- Speaker and Panelist, Maxillo-Cleft-LeFort I Program, 3rd International Congress of Craniofacial and Maxillofacial Distraction, Paris, France, June 14-16, 2001.
- Practice Management Clinic Integrating Digital Imaging into the Surgical Practice. 83<sup>rd</sup> Annual Meeting, Scientific Sessions and Exhibition to the American Association of Oral and Maxillofacial Surgeon, Orlando, Florida, September, 2001.
- Moderator--Point/Counter Point: Immediate Restoration vs. Traditional Protocols and Hands-On Course Director, Dental Implant Meeting, American Association of Oral and Maxillofacial Surgery, Chicago, Illinois, December 2000.
- Practice Management Clinic Integrating Digital Imaging into the Surgical Practice. 82<sup>nd</sup> Annual Meeting, Scientific Sessions and Exhibition to the American Association of Oral and Maxillofacial Surgeon, San Francisco, California, September , 2000.
- Burton, R. Integrating Digital Imaging into the Surgical Practice, Practice Management Seminar at 81<sup>st</sup> Annual Meeting, American Association of Oral and Maxillofacial Surgeon, Boston, Massachusetts, October, 1999.
- International Visiting Professor, Development and Demonstration of Image-Guided Surgery, University of Vienna, Vienna, Austria, December, 1998.
- Burton, R. Assessment of Surgical Techniques in Third Molar Removal, Major Scientific Symposium at the American Association of Oral and Maxillofacial Surgeon, September 1998.
- Burton, R. Strategies for Removal of the Difficult Third Molar, Breakout Session at the American Association of Oral and Maxillofacial Surgeons, September, 1998.
- Burton, R. TMD: Neurologic Basis for Differential Diagnosis and Treatment Considerations, Surgical Clinic at the American Association of Oral and Maxillofacial Surgeons, September, 1998.
- Burton, R. Drug Interactions, Workshops at the American Dental Society of Anesthesiology Annual Meeting, May, 1998.

Bertrand, R. and Burton, R. TMD: Neurologic Basis for Differential Diagnosis and Treatment Considerations. Surgical Clinic at the American Association of Oral and Maxillofacial Surgeons, September, 1997

Burton, R. Main Lecturer, IX Peruvian Military Dental Congress, Centro Medico Naval, Lima, Peru, August, 1997.

Burton, R., and Bertrand, P. TMD: Neurologic Basis for Differential Diagnosis and Treatment Considerations. Surgical Clinic at the American Association of Oral and Maxillofacial Surgeons, September, 1996.

6. Other: Exhibits, films, tapes, special presentations

Facial Protection Month for the “University of Iowa Health Care Today” radio program, April 2001.

Distraction Osteogenesis, American Doctor Expert Chat. University of Iowa, August 15, 2000.

Distraction Osteogenesis CD, for KLS-Martin, July 2000.

Other Professional Contributions:

Delegate, Iowa, House of Delegates, American Association of Oral and Maxillofacial Surgeons, 1997-2007.

Delegate, U.S. Navy, House of Delegates, American Association of Oral and Maxillofacial Surgeons, 1993-1997.

XIII. Student Mentoring:

1. Graduate Theses Directed:

<u>Degree</u>	<u>Year</u>	<u>Candidate</u>	<u>Title</u>
MS	2003	[-----]	The Effects of Bio-Oss on Third Molar Extraction Sites

2. Other Graduate Committee service::

<u>Degree</u>	<u>Year</u>	<u>Candidate</u>	<u>Title</u>
MS	2001	[-----]	Effects of the Multiple Piece Osteotomy on the Periodontium

MS            2001        [-----]        Soft and Hard Tissue Changes Related to Orthognathic Surgery

3.    Predocctoral Student Research Mentorship:

<u>Student</u>	<u>Year</u>	<u>Awards Received by Student</u>
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[-----]	1999	Dows Research Award
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XIV. Continuing Education (sponsored by the University; presented during the past five years most recent first)

Burton, R., Faculty, 25<sup>th</sup> Annual Iowa Winter Orthodontic Seminar, Vail, Colorado, February, 2004.

Burton, R., Faculty, 24<sup>th</sup> Annual Iowa Winter Orthodontic Seminar, Vail, Colorado, February, 2003.

Surgical Updates for Nurses. Pediatric Airway Management. Sponsored by the University of Iowa Department of Nursing, March, 2002.

Burton, R., Faculty, 23<sup>rd</sup> Annual Iowa Winter Orthodontic Seminar, Vail, Colorado, February, 2002.

Update on Surgical Orthodontic Techniques. Iowa Summer Orthodontic Meeting, Okoboji, IA, August 13-15, 2001.

Surgical Updates for Nurses. Distraction Osteogenesis for Children. Sponsored by the University of Iowa Department of Nursing, March, 2001.

Implants for Everyday Practice: A Technical and Restorative Simplified Perspective. Sponsored by the University of Iowa College of Dentistry, March 2001.

Distraction Osteogenesis for Pediatric Patient. Iowa Chapter of American Association of Dental Research, Coralville, IA, October, 2000.

Overview of Distraction Osteogenesis and Mandibular and Maxillary Treatment. Digital Radiography, Digital Cameras, Practice Management with Web Marketing and Web Design, Digital Patient Imaging. 22nd Annual Iowa Winter Orthodontic Seminar on Surgical Orthodontics, Vail, Colorado, February 3-10, 2001.

Digital Radiography, Digital Cameras, Practice Management with Web Marketing and Web Design, Digital Patient Imaging. 21<sup>st</sup> Annual Iowa Winter Orthodontic Seminar on Surgical Orthodontics, Vail, Colorado, February 5-12, 2000.

Burton, R., Faculty, 20<sup>th</sup> Annual Iowa Winter Orthodontic Seminar, Vail, Colorado, February, 1999.

Burton, R. Faculty, 19<sup>th</sup> Annual Iowa Winter Orthodontics Seminar, Vail, Colorado, February, 1998.

XV. Teaching Activities (Include the past five years; most recent first; provide narrative describing responsibility in each course)

1. Classroom, Seminar, or Teaching Laboratory

<u>Year</u>	<u>Course Title and No.</u>	<u>No. registered</u>	<u>length of course</u>
1998-present	Anesthesia and Pain Control I 87:115	76	1 semester
1998-present	Diagnosis and Treatment Planning 89:202	10	1 semester

Director, Graduate Training in Oral and Maxillofacial Surgery for M.S. Degree Courses:

87:202	Basic Science Review	4 s.h.
87:230	Oral and Maxillofacial Surgery Research 1	2 s.h.
87:231	Oral and Maxillofacial Surgery Research 2	3 s.h.
87:201	Hospital Procedures	1 s.h.
87:207	Surgical Anatomy	1 s.h.
87:208	Pain and Anxiety Control	1 s.h.

2. Clinical Teaching (undergraduate, graduate and direct patient care)

<u>Year</u>	<u>Where Occurred</u>	<u>weeks/year</u>	<u>hrs/wk</u>
1997-present	University of Iowa Hospitals and Clinics/ College of Dentistry	40	40